alignn2n

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OM nucleic - nucleic search, using sw model

March 5, 2002, 15:05:56 ; Search time 12.61 Seconds
 (without alignments)
 4.558 Million cell updates/sec

Run on:

us-09-525-867-9 824

1 cggctcgagctcgagcg.......88888aaaaaaaaaaa 824 Perfect score: Sequence:

Scoring table:

IDENTITY_NUC Gapop 10.0 , Gapext 0.0

Total number of hits satisfying chosen parameters: 2 segs, 34875 residues Searched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 08 Maximum Match 1008 Listing first 2 summaries

ac005329.seq:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description	1 727 88.2 32760 1 AC005329_1 Sequence ac005329 c 2 94.8004 11.5 32760 1 AC005329_1 Sequence ac005329
Q	727 88.2 32760 1 AC005329_1 .8004 11.5 32760 1 AC005329_1
DB	нн
Length	88.2 32760 1 11.5 32760 1
Query	88.2 11.5
ssult Query No. Score Match Length DB ID	1 727 2 94.8004
Result No.	0

ALIGNMENTS

AC005329 34875 bp DNA PRI 28-JUL-1998 HOmo sapiens chromosome 19, cosmid R34382, complete sequence. AC005329.1 GI:3342732 RESULT 1 AC005329_1' ; Sequence ac005329: residues 1 to 32760 ; TOIG of: ac005329 check: 3646 from: 1 to: 34875 Homo sapiens human. KEYWORDS SOURCE ORGANISM DEFINITION ACCESSION VERSION LOCUS

28-JUL-1998

Ouery Match 88.2%; Score 727; DB 1; Length 32760; Best Local Similarity 4.1%; Pred. No. 0; Matches 813; Conservative 0; Mismatches 10; Indels 18942; Gaps 1 cggctcgagcgctcgagcgggaacccggagcgctaaggagaacggacctcagaggttgt 60 ò

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111111111111 TGCCGGTGCTGTCAGGTGAGCGCGGCGCCGGCGGGGGTGT 7577 61 ctgaaggccgaggccaagatggcggtgctgt------91 ----- 91 CDNA of Hyslog ctal Position 1 is 7518 CTGAAGGCCGAGGCCAAGAT 92 ----

of Chromosome 19 Aligmond of Jub 109 9
against soomence

qq	7578 GGGGCCGCG	CGGGTCTGGGGCCGTGGGAGCCTCGGGGTGTCGTGGCGTCGGGGGTCGG 7	637
οy	95	.6	11
Ор	7638 TGCCG	IGCCGGCGTCGTGGCCGCGGTCCTCCGGGCTTCTCCGAGCCGGCCG	7697
οy	92	.6	91
qq	7698 00000	CCCGCCCGGCTTGCGATGAACGGTCGCCGTTATTGCGTCCAGAGTACAGTCGGGGAAACC 77	7757
òγ	92	.6	91
qq	7758 GAGGC	GAGGCCCGGTAGGTCATGACGCAAGCCTCCAGGAAGGCGCTCGGGGTGGAGGCT 76	7817
οy	92	[6	91
Op	7818 GGAGG	GGAGGGGCCCCATTCACGTCCCCGAGACCAGGGCACGGCCCGCGAGGCTGCTCTTGAGAT 76	7877
δy	95	91	=
g	7878 GCCCT(GCCCTGGAGAGAGGGGGCCTGCCTGACAGGCTGGGAAACTGAGGCCCATTGAGGGTCTT 79	7887
QY	92	91	<u>-</u>
q	7938 CGAGG	CGAGGTCACAGGGCCGGGCCTGGGAAGGAACAGGACCCAGGACATCCACGCCACCCTGCT 79	7997
οy	95	91	-
Ор	7998 GGACC	GGACCCTCCACCTCCCTCCCCACCCCTGGGAGGTAAGGGCCTCTCGCAGAGCCTGTCCTG 8(8057
ΟY	95	16	ਜੁ
qq	8058 CTCCA	CTCCAGGGACTTTTTGGGATCAGCTGAAGCCTGCGGACCTCTGGTCAGATAAAGTTATT 81	8117
.0у	95	91	-
QQ .	8118 AAATGO	AAATGCATGGAATAAAATCCATAGAATTGCAAGGAAATCAGTTACACGGAGAGGGAGTTA 81	8177
δλ	95	91	-
qq	8178 TTAAA	TTAAAAGATTGTCTTGAAACCTGATTGGCGACTTAGTAATCTAAGTGCTTCCCTTATGAA 82	8237
γQ	92	91	-
QΩ	8238 CGCGA1	CGCGATCTAGCGGCAGGTCTAATTGCGACTGTGATTTGGAAGGAGTGAGGAGTGGAAATG 82	8297
Qy	26	91	1
qq	8298 AGGCTI	AGGCTTTGATGATACGGAAACGTCTGCAGCCCCTGCACATAGCTAGGAAACATCTGTGA 83	8357
Οy	92	91	-
QQ	8358 TTCCGC	TCCGCTTGGTGAAAAGTTACAGGTCCTGCTAATACTGCCGTATTTTGTTGTTGTTGCTA 84	8417
VO	92	91	н
qq	8418 AGAATT	AGAATTTTTTATTATTAAGACAGGGTCTGCCTCTGTCGCTCAGACTGGAGTGCAG 84	8477
δ	92	91	н
ф	8478 TGGTGC	TGGIGCCATCITGGCTCATCACTGCAACCTGTGCCTCCCAGGCTCAAGCGATTCTGGCAC 85	8537
οy	92	91	гi
qq	8538 TTCAGI	TTCAGTGTCCTGTGGTGGGACCACAGGTGTGCGCCCACCATGCCTGGCTAGTTTTTGT 85	8597
δ.	92	91	ч
QQ	8598 ATTTT	ATTITTAGTAGAGATGGGGGTCTTGCCCTGTTGCCCAGGCTGGTCTCGAACTTCTGAGTT 86	8657
ογ	92	16	-

qq	8658 CAAGCAATCCTCCCACCTGAGCCTCCCAAAGTGCTGGGAGCCACGGCACCCAGCCTACGC 8717	ò	92
Qy	92 91	: 4 <u>2</u>	9798 CCTGGCCCC
qq	8718 TAAGAATTGAATGAAGGCCTAATTTTCCATAAGATGCTGGTGACAACAAAGACATATATA 8777	Qy	
Qy	92 91	q	9858 AAAGTACCAT
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δý	92 91	g qq	9918 GGAAGGCCAA
qq	8838 CCTGGCCCACGCGGGGGCTCACGCCTGTAATCCCAGCACTTTGGAAGGCCAAGGTGGG 8897	ΛŌ	92
QY	92 91	d _U	9978 GCCCGTGGCC
Dp	8898 CGGATCACCTGAGGTCCGGAGTTCGAGACCAGCCTGGCCAACATGGAGAAACCCCGTCTC 8957	Qy	92
Qy	92 91	් සි	10038 TTCTTACAAG
Ор	8958 TACTAAAAATACAAAATCAGCTGGGTGTGGTGGCGCATGCCTGTAATCGCAGCTACTGGG 9017	άō	
οy	92 91	qq	10098 TATAATGACC
qq	9018 GGGCTGGGGCAAGAGAATCGCTTGAACCCGGGAGGCGGGGGTTGCAGTGAGCTAAGATTG 9077	QY	95
δŏ	92 91	đa	10158 TGCAGTGGCG
qi.	9078 CACCATTGCACTCCATCCTGGGCAACAAGAGTGAAACTCCGTCTCAAAAACAAAAACAAA 9137	δŏ	92
QY	9291	da	10218 GCCTCAGCCT
QQ	9138 AACAAACCAGCTGGGCGTGGTGGCTCAGGCCTGTAATCCCAGCACTTTGGGAGGCCGAGG 9197	QY	92
ΟŸ	92 91	qα	10278 GTATTTTAG
Dp	9198 TGGGCGGATCCCCTGAGTTCGGGAGTTCAAGACCAGCCTGATCAACATGGAGAAACCCTG 9257	δŏ	92
οy	92 91	අ <u></u>	10338 TCAGGTGATC
Op	9258 TCTCTACTAAAAATGCAAAATTAGCTGAGCGTGGTAGCAGGCGCCTGTAATCCCAGCTA 9317	δδ	92
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QD	9318 CICGGGAGGCIGAGGCAGGAGAATAGCTIGAACCIGGGAGGIGGAGGIIGCAGIGAGGCCA 9377	δò	92
Qy	92 91	: <u>a</u>	104
qq	9378 AGAITGIGCCGTIGCACICCAGCCIGGGIGACAAGAGCGAAACICCGICICAAAACAACA 9437	δŏ	92
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qa	9438 ACAACAACAACAAAAACCTGACCCAGAGGCACAGAATCCCATCACCTCAGAGGTTCTCA 9497	QY	92
δλ	92 91	qa	10578 CCTCCCGCT
qa .	9498 GAAGAGTATCTCCTCTGCTAGGAGCTCATCCAAAGTCCTGCATTTTCAGCTTGGGAAACT 9557	QY	92
δy	92 91	qa	10638 GAAGGCTCT
qq	9558 GACACCIGGAGIGGGGCAGCICCCACCAGAGCCIGGGCTGGGCAGITAGCCIGICIGCI 9617	Qy	92
ΟY	92 91	' <u>ପ</u> ୍ର	10698 IGGCICCIC
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ΟŊ	92 91	qq	10758 CGGACTGCA
q	9678 GGCCTGGACGGGGCCATGGGAAACAGCAACCCCGGATGAGGCTAAGGCTGGGGTGAGGGA 9737	δλ	
QY	92 91	qq	10818 GCAGCCAGG
<u>.</u> 임	• 9738 GGGGCTCAGAGGCAGGAGAAGGCCCCATGGATCGCTGCATTCAGGGGCATCAAACCCTGG 9797		1 No.

ΟŽ	92		91
Dp	9466	CCCTGGCCCCTGGAGGCTGCCCACAGCCTCTCCATCGGGCCTCACCTCACCCACAGCGAC	9857
Qy	92		91
Dp	9828 7	AAAGTĄCCATCACCTGGGCAGCTTCAACAGAAGCTGATTGTTCTCACAGTTCTGGGGGCT	9917
Qy	92		91
QQ	9918 (GGAAGGCCAAGATTGGGGGTCAGCATGGTTGGTTCCTGCTGAGGCCTCTGTCCTTGGCTT	2266
Qy	92		91
Op	9978	GCCCGTGGCCATCTTCTCCTGCGTCTTTCCTCTGTACATGTTTGTGTCTGATCGCCTT	10037
Qy	92		91
qq	10038	TICTTACAAGGACATAAGICATATCGGATGAGGGCCCACCCTCGTGACCTCACTGTCCTT	10097
Qy	92		91
qq	10098	TATAATGACCCTTTATTTTTATTTTTGAGATGGAGTCTCCCTCTGTCACCCAAGCTGGAG	10157
Qγ	92		91
qq	10158	TGCAGTGGCGCAGCCTCTGCTCACCTGTACCTCCCGGGTTCAAGTGATTCTCCT	10217
Óγ	92		91
Dp	10218	GCCICAGCCICTCGAGIAGCIGGGATIACAGGIACCIGCIACTACACCCAGCIAAITITI	10277
QY	92		91
Dp	10278	GTATTTTTAGTAGAGGGGTTTCACCATGTTGCCCAGGCTGGTCTCGAACTCCTGACC	10337
δŏ	92		91
QQ	10338	TCAGGTGATCCACCTGCCTCGTGAAGTGCTGGAATTACAGGCATGAGCCACAC	10397
δλ	92		91
qq	10398	GCCCAGGCATTAATGATCCCTTTAAAGACCCCCATCTCCAAAAGCAGTCACATTCTGAGGT	10457
Οy	92		91
qq	10458	CCTGGGGTTAGGGCTTCAGATGCAGGTCGGGTGGAGGGTCACAGTTCAGCCGTCACCAGC	10517
Οy	92		91
QQ	10518	ACCAAGCCTGCCTTTCTGGATTCTTGTGAGCCAGGATTCCTGGCACCTCCAGGTTT	10577
Οy	92		91
q	10578	CCICCCGCTGAGTGCCCCGGGCGTGGCAAGGCCCTGCTCTGGCCTTAGTCTTCGCCTCGG	10637
Qy	92		. 91
qq	10638	GAAGGCICTCCCAGGAGACTTCGIGCAGGCGCGTTCCCTCCTCTGCGCTTCCTTTGAGGC	10697
δy	92		. 91
qq	10698	IGGCICCICIAAGGGIGCIIIICIGIGIAGAIIGACGIGGGCAGCGCCCICCCCGCIIAG	10757
δ	92		. 91
QQ	10758	CGGACTGCAGATTCCTGCAGGATGGGGGCCTGTGCTCAGCTGCGTGGGAAACGCCCGAGCA	10817
Qy	92		. 91
g	10818	GCAGCCAGGCCTGGAGCACCCAGCACACGCTTGTCAGGCCACAGCTGAGGCCAGGACGAG	3 10877

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g	11058	8 TGAGGGGGGGTGTCCCCGCAGGGCAGCAGCCAGTGTGCAAGTGTGAGGCGGAGATGTCC 11112
δ	92	
q	11118	CCACAGGGCAGCAGTGCGGGGCCCTGGCGCAGGAAAGCGGCAGGTGCCAGTGAAG
ò	92	
qq	11178	ATCGCCAGGGGGGAGACGGGGGAGCGTTTGGGTTCCTTCC
ò	92	
g	11238	GCAGGGGACTAAGACTCTCTCGTGTTCTGAAAACCCCCTCGTTACCTAACGTTTGTTAAG
ô	92	
g	11298	TGGCACTCGAGTTGGGATCAGAGCTAGGCTGTGGGGGGAGCCTGAATGGGAAACCAGAAAAAAAA
δ	92	י ד
q	11358	TGGAGGCCGGCCCTGCGTGCTGCCGCAGCTCACTGTTCCCACCCCGTGGTCCTTCTTCTAC 11111
ò	93	T 5 T T
Q	11418	GCTCCTGGCCTG
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g	11538	GGGGGAGCGCCTTGTTGAAGGTCACGTGTCATGTTAGGGACAGGATGCAGGTGACGGTCT 11597
ò	131	130
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q	11658	GGACAGTCAGGAAAACCCTGTGGGCCCCGCTTCAATGAAAAAAAA
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ż	12.1	. COCCIOCAMBECCATICITA GAGCCCTGTGCAGATGGCAGCCTGGGGCAGGCCTCCTGCA 11777
	161	130
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ы	Db 1195	8 GGGTCGGGGCGATGGCTCCAGCGGCTCTGGCCAGTGGCCCAAGTGTTGACAG 12017
J	0y 13	
ם	Db 1201	8 GCAGAGGTGAGAACAGTCTCGCAGCAGGAGAGAGAGAGAG
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đ	1219	8 AGCAGGTGAAGCTGGCCTTCTGGGGGAGGTCGTACCCCTCGCCCCACCCCCATCCCTTC 12257
Οy	19	197
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qq	0 12318	ACACATCCCAGTCCCTGACCTCATGTGGGTCCAGGCCTCTGGCAGCGGCCGTGGGGGCTC 1
δ	198	
යි	12378	GCATCCGCCTCTGGGAAGCACCTGCGTGGCTGACGCCTCCTGTGCCCGTGTGTCTCTGTG 12437
ογ	198	-cagcaccagcctgccctgccaaaggccagagccgtggctcccaaacccagccag
qq	12438	CCAGCACCCAGCCTGCCCAAAGGCAGAGCCGTGGCTCCCAAACCCAGCAGCGGG 12
Οy	7	308
අ	12498	CGAGTATGTGGT
δ	306	308
QΩ	12558	~ ~
οy	306	305
QΩ	12618	
οy	306	VO W C
ΩD	12678	3 2
οy	306	305
ΩΩ	12738	CACACAATGCACATATGCACACTCGCACACATGCACACTTGCACACACA
οy	306	305
QΩ	12798	2 2
QY	306	508
qq	12858	ر
oy	306	305
qq	12918	(1)
δλ	306	30
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δ	306	302

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CCCACGTGGTCCCGGCGCT 1489	CAC
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ACGTGGTCTCCATGGGGAGGTG	Db 14718 TCTCTTCCAGGTCTACGACCAGTGCGGAGCCGCGCTACGTGTCT
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CCACGTGGA 1441	Db 14358 TCACCTCTGCCGGCTGCCGCCCCGGGACATGAGTCGGGGGTTCTGGGTGCT
0630	29 306
CCGCTGTGCCTC 14	14298 GIGGGGGCGCTTTACAACTCTTGGGGCCCGGAGGCCACCTGCAGGAG
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GTATTTGAATGTGGCTG 14.	D 14238 CTATGTGATGAGGACAGATCTCACCGGTTTCTCTCTATTTATGTATT
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SATACACTGGGTTCGAGGAA 1423	TACACT
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ò	532		531
qq	15258	GCTAATTTTTGTATTTTTAGTAGAGGGGGTTTTTACCATGTTGGCCAGGCTGGTCTTGA	15317
δ	532		531
qq	15318	ACTCCCTCAGGTGATCCGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTATAGGCATAAGC	15377
ò	532		531
g	15378	CACCACGCCTGGCCTTGCCCTCATTTTTAGTCATTTCCCCCGTAACATTGAAAGGTATTT	15437
ŏ	532		531
qq	15438	AGTCTCTTAACATTTTAAAATATTTATTTATTTACTTAAAGATGGAGTCTAGGCTCTGTCG	15497
ò	532		531
g	15498	CCCAGGCTGGAGTGGCACGATCTCAGCCCACTACAACCTCCGCCTCCCAGGTTCA	15557
ογ	532		531
QQ	15558	AGGGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCACCTGCCACCACACAC	15617
ò	532		531
g	15618	TGGCCAATTTTTGTATTTTAGTAAAGAAGATTTCACCATGTTGGCTAGGATGGTCTC	15677
ò	532		531
q	15678	GATCTCCTGATCTCGTGATCCACCCACCTCCAGCCTCCCAAAGTTCTGGGATTACAGGCAT	15737
ò	532		531
qq	15738	GAGCCACCATGCCTGGCCAATATTTATTTTTTTTTTAGAGACAGAGTCTCACTGA	15797
ò	532		531
q	15798	GTTGCCCAGGCTGGAGTGCAGTGGTCAGTCATAGCTCACTGCAGCCTTGACCTCCTGGG	15857
δ	532		531
q	15858	CTCAAGCGGTCCCCCAACCTTAGCCTCTCAGAGTGCTGGGATTACAGATGTACTCCACTG	15917
ò	532		531
q	15918	TGCCTACTTTTTAAAATTTCTGTAGAGATCAGGTCTTGATAAGTTTACCCTTTTAAAGCG	15977
à	532		531
g	15978	AGCAGTTCAGTGGTTTTTAGGCCACCACCTCTAATTCCAGAACATTCTCATCACCCCAA	16037
ò	532		531
qq	16038	ATGAAATGCTGTCCCCATCAGCAGTCACTCTGCATCCCCTTCCGAGCCCCGGTGCCCACA	16097
ογ	532		531
QQ	16098	CCTCCCCTCCCTGTCTCTGTGGATGGGCCCGTCCTGGACATTTCACAGAAACAGGATCAC	16157
ογ	532		531
qq	16158	ACGCCCCATGCCCTTCTGTCTCCGCCGTCTCTCACTGAGCCCGACGTCCTCAAGGTGCAT	16217
δ	532		531
q	16218 (CCGTGCTGTGGCCTGTGCCGAGCCTCGTGCCTTTTCTTGGCTGAATAATATCCCACTGT	16277
ò	532		531
qq	16278	GTGGACATATTACTAATCTAAATTCTAAACAGTTAAATTAGAATATTCCAGAGTTTTCATAA	16337
δ	53.2		531

619		620	ογ
17417) AACGIGGGAGGCITAGIITGACIGIGAGGITAAGGGIGAATTIGACCAICAGGAAAACIGI	17358	g
619		620	δŷ
17357) CCTTACAGAAGGGCACGCAGGACTCCCTGGGACCCGGGGTGGCCGGATTTGGCAAATGAA	17298	qq
619		620	δλ
17297) AGTTAGAAATACCAAGCGAGAAGGTTCCTGGGGGCCAAGGACACTGTCCCGGGGCCTCAG	17238	qq
619		620	Oγ
17237	3 ACACACGCCTGGTTTACAGCAGTTTCATATGGTCCTACCTGGCACAAACCAAAGACCTGC	17178	QQ
619		620	Ωy
17177	3 GCGATGTATTCAGGCATCAGAGGGATCAGAGGGAGCAGGGGAAGCTGAGTGGAATTCCTG	17118	q
619		620	QY.
17117	3 TATGGATGGGCCGACTCGGAGCGCTGCTCTTAGTGGAGCCTGTCCCCTGTGAGAAGTCG	17058	g
619		620	δy
17057	3 AGCCCGGCGGCCCCTGTGAGGGAGTCCCACACCCCCAGAGACGGCGGGGGTCCCCCATCC	16998	g
619		620	οy
16997	3 AGGTAGGGCCGGGACCGCCCACGACGGAGCTGGAGACAGGGCCCAGCGCCACACGG	16938	. q
619		620	δ
619 16937	ctattcctactcggtggtggggggtgcgaccgcatcgtgccgtggacatctacatcc- 	561 16878	Oy Dp
16877	CGGCACACTCCCCTCACGGTGCCTCCCCAACAGCTGCGCCAACGGAGGAG	16818	Op
260	agetagagagagagagagagagagagagagagagagagag	532	Οy
16817	3 GITGAAGGCGGGTGGGGATGGGGCCGAGGCCTCGTGGAGGAGGGTGGGCAGGCGGGTCTT	16758	g
531		532	οy
16757	3 IGCGIGITIGGICATIGGIICTGCGIGACAAGIICCAGCCICGIAGGIGCCIGGCCIG	16698	Q
531		532	ογ
16697	3 GAGTTATCAGCCACGTGTGAGCTTGCGCCCCACTGGTCCCACAGAGGCTCTGGGAGCCTG	16638	g
531	ż	532	Οy
16637	3 ACATCCCAGCCCCGGGAATCGGTGGTCAGGAGCCCCCTCGGGAGGGGGGGACTTTTCCCC	16578	g
531	2	532	οy
16577	8 GCCTGGGTGTTGGCACTGTGGCTGTCTGAAGTGGCTTTTTGTTGACACATGTGATCTGAC	16518	g
531	2	532	Οy
16517	8 GCGCCTCACTGACAGAGCCGGAATCAGGCGAGGGTGAGGCTCAGCCGCCCCATAGACAGG	16458	q
531	2	532	ογ
16457	8 TGGGAGTGGAGTCTGTGGTGGTCTCCTGGGGTTTCCAGCTCCCTGCCCCGGGTGGACCCCA	16398	qq
531		532	ΟŸ
16397	8 CCGTCTCCCACTGCTGGGCATTCAGGGTATGTCCATTTTTACGGCTGTGGGAAGCAGTGC	16338	g

qq	174 8	TAGTAGTAATTGTTTAGTACGAGTATATCCCAACAATATTTGGGCTATACTGACACTAAA	17477
Qγ	6		619
QQ	17478	AAGAGCATTGGCTGCATACCTGAAATTCACATCGCACCGGGAACATTCTTATATCTGGT	17537
Óγ	620		619
QQ	17538	GATCCCGTGGGACTCTTGCACCTCACGTGGTCCCACGAGGCCCATCCCCCGGGCGTTCA	17597
Οÿ	620		619
Dp	17598	CCTTGACAGTGGTCCACGGTAGGCAGGCTTGGAGGTGGCGCTCATGTGGGAACAGGGGAACA	17657
δÿ	620		619
Dp	17658	GAGTCCTGTTCTTGGCCCACCCTGTGCTGCGTGCGCATTAGCTCATGCGCAGAGAGCCCA	17717
δy	620		619
Db	17718	GCCCTGAGTCCCGAGTCTGGGGGTTTGGGCAAGCGAGAGGCACATCCTGGTGCCTCTCAA	17777
Οy	620		619
qq	17778	AAGTGGAGGAACAGGCTCTGACTTTGGATTCCGCTTCCCTGGAAAGGGCGTTGATTTGTT	17837
δy	620		619
qq	17838	CAGCGTTCTGCACGGTTCAGGTCACCCCGGGGGCAGTGGAGAGGGCAGCCTGGGCCTCCC	17897
ΟŊ	620		619
QQ	17898	TGTGACTTGACAGCACAGAGGTCCATCCTGGGGTCAGGAGCTCTGCCCATGCCCCTGG	17957
οy	620		619
qq	17958	CGTCTTCCCCTGCAGTGCAGACCAATGGGGGCAAGTTGCGAGTGTGGACTGTACTCCTCCC	18017
δy	620		619
qq	18018	TCCTTGCAGACTGAGCTCCTCCCTCGGGGACCGCGCTCCTTCCCTCCC	18077
ΟY	620		619
g	18078	GCTCCCTGTCTGGGGACTGCGCTCCTCCTTGGGGACCGTGCTCCTCCCTC	18137
δy	620		619
qq	18138	TGGGGACCGCGCTCCTCCCTGGGGACCGCGCTCCTCCCTC	18197
Qy	620		619
ф	18198	GGCCCTCCCTGGGGACCGCCCCTCCCAGCGGACCGCGCTCCTCCCTGGGG	18257
Qγ	620		619
qq	18258	ACCTCGCTCCTCCCTCCCTGCGGACTGTGCTGCTCCCTCC	18317
δy	620		619
q	18318	TCCCTCCCTTGGAGCAGCCTGGACTTGCCAGAGCTCTGCCAGGTGGGGGCCTGGCCGCCCT	18377
Qγ	620		619
Dp	18378	TTCCCAGGCCCTGCAGTGGCCTTGTCCTTTCTCACCTGTTTCCACTCCTGCTGTCCCCGT	18437
ΟY	620		619
qq	18438	TGGGCCCTGGGCTTCGTCCTCTTGCTCAAGCCCTTTGTTCTGAACCTGCGTGGCAGCCGG	18497
δy	620		619
q	18498	GACTGGGGGATCCCCAGCAAAGAGCTCTGGCTTTGGGGCTCAGAAAGAGGGGTCATCGGGTC	18557

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qa	18558	CICGIGGGAIGCCCGGGCICIGGGCCACCICCCCICCCIC	18617
Qγ	620		619
qu	18618	ATCTCCGTCCAGGGCAGCCCCGGGCCCTGCTCCCCACTGCTAAGTGTGTTGCTGCTGAGGGC	18677
QY	620		619
qq	18678	TGGCCCCCATTGAGTCCTGAGGCCTGGGGCCGGGGCCGGGTTAGTGAGGTCAGCGTCTT	18737
QY	620		619
Db	18738	GTCCGAGAGGTCCCTGTGACAGCCCGGGATGAGCCCACGGGTGGAGGGCAGTGGGGCCTTG	18797
δλ	620		619
Db	18798	CCCAGGGGAGGACCCCACTCTTCCTGCAGGGACCTCCCCTGCGCCCGGCTCCCAGTCCCTG	18857
QY	620		619
qq	18858	GCACTGCGCCCACCCAGGGCTGTCAGCCTCCACCTTCAGAGGCCGGCC	18917
QY	620		619
qa	18918	CCAAAGCCGAGCCGGCTGCGCTGTGCACGCGGTCACGCGGGCTCCCGGCTGCGGGAAGCGA	18977
0y	620		099
Db	18978	GACTGAGGCCAAGGTCCCTGCAGGCTGCCCACCTACGGCCGAGGCCCTGCTTCTTACGCCATC	19037
οy	199	ctgcagctgcagaggaagatcaagcgggagcggaaggttgcagatctggtaccgcaggtag	720
qa	19038	CTGCAGCTGCAGAGGAAGATCAAGCGGGAGCGGAGGCTGCAGATCTGGTACCGCAGGTAG	19097
Οy	721	gegglegecgecgecgecgecgtegecgtecetgtecccagectgttgtgtgteccg	780
qa	19098	CGCCGCCGCCGCCGCCGGAGCCTGTCGCCGTCCTGTCCCCAGCCTGTTGTGTCCCCG	19157
QY	781	tgaggttgtcaataaacctgccctcgggc	808
qa	19158	TGAGGTTGTCAATAAACCTGCCCTCGGGCTGCCGCCTCCCAGTGTGGTGTGGGTGAAA	19217
Qy	810		809
qa	19218	GGAGCCGGGGACGTGGGGGGATCACAGACCCCCTGCGGCGTGCCGCCCTTGGGCTGCTGGGGG	19277
Qy	810		608
ΩD	19278	CGGTTGGAGCAGAGCCGGGGCCAGAGGGGCACTGTGCCTGCC	19337
QY	810		608
qa	19338	GCTGCTCTGCGAAGACCCTGGGGTGGACATCGTGGCCCAAAGTCCCGAGCGTGGAAGGCC	19397
QY	810		808
qq	19398	GCACACCCATCCTTCCTGGGAGGGCCCTGACTCAGTCTCCCTTTATGCCCTAAGGCAGGC	19457
QY	810		808
qu	19458	TGAGCAAAGCCCGTCTGAGCCTGCCCCGGGGTTCAGAGTGTGTGGCCTGTGGCCTGCGTGTG	19517
δλ	810		809
qu	19518	GACTTGGGCAGGTCGCCACTGCCCTCTGGCCCATTTCCAGGCGGTGGCATGGGCTGGTTA	19577
QY	810		808
qa	19578	GCTGAGGGCTGGGGCCAGGGAGGTGGGGAGGTGGCACCTGGTCCAAACCAAAGGGCTGCA	19637

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g	19638	GGGCAGGACTGTGAGGCTCACAGGCTGTCTGACCCCACTTTGGGGAACCTTTTGAGGAACTGTGAGGCTGTGAGGCTGTGAGGCTGTGAGGCTGTGAGGGGAACTTTGGGGAACCTGAGAGCTTGAGGGAACTGAGGGAACTGAGGGAACTGAGGGAACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
ò	810	2522222
a	19698	GGCTTTCGGGGAACCCTGACTCCACCCACCACCACCTTCATCCGTCGAAGTCCAGGCCT 19747
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g	19818	CGCCGGTGGGACCTCGCTGCAGGCCCACCCTGCATGCCTTGCTAGATACCTTGCTAGATACTTAGATACTTAGATACTTAGATACTTAGATACTTAGATACTTAGATACTTAGATACTTAGATACACTAGATACTAGATACTAGATACTAGATACTAGATACACAGATACACAGATACACAGATACACACAGATACACAGATACACAGATACACAGATACACAGATACACAGATACACACAC
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ద	19878	AGTICTGGGGATCGGCAGTTATGACGGGCCAGGCTGGGATGGGGACCCGGAAGAATGAGAAAAAAAA
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g	19938	GGGGGTGGGGGAAGAGGCACCCAGCCGGGTCAAGGAGCTGGAAGGAA
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a	19998	GGGGTGGGGACAGGGCGTCAGCCAGCGGAACAGCCCTGGGCCAGAGTGCAGAGTAGAAGAA
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ద్ద	20058	GGAGCCGGCCTTCTCTCAGGGCAAGGAGGTCAGTGGAGGGGGGAAGGAGGAAGAAGAAGAAGAAAGA
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qq	20118	GAAGATGGGCGGGCTGCACACATGTAGAAGGAAGGAAGGA
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ā (AGAAGCTGGAAAGCTGGTGGTGACACAGCTGGGATCAGCCCTGGGCTGGTGGGACCC	20837
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qq	20898	GCGACACCCTGGACTCCCGGCCAGGAAGGCACGGAGGGCATGGGTGTGGCCGGGCCG	20957
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q	20958	GGGTGGGGGCTCAGCCTTTGGTCACCAGGGGCGTGATCATCTGTGGGAAGGCGTAAGAAG	908
ò	810		, , , ,
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Qy	810		
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δŏ	810		. 60
qq	21138	GAGGGCCATGGGGGTCACGTGCACCTGGCGCCCCACCCCTCATTGAAGAGTGTTTACAGA	21197
Oy	810		
q	21198	TGGCAAGGCCCGGGTGGGGCGGCTGCAGCTCCCGTGGGCACGTGGCAGGGCAGGCA	21257
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, <u>a</u>		CCCTCACCCTCACCATCAAAGTGACCGTCAGGCAGGGTGGGT	23177
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ы	Db 253	5398 TAGATTCCTCATCTGTCAGCACCGCAGAAACCACCGAGAAAACCCCCAACAAAACACCAC
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qq	26058	AGGGTAGCCCCTTAGGGTCAAGCAACAACAACAAAAAAAA
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.; q	26238 GGTTAACAGATGCAGTTATTATGCCCATTTAACACGAGGGAAACTCAAGACCCCAGAAAACA	608
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ш	Db 27198 ACCTTGTCTACAAAAAAAAA 2/222	

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28560 GAGGCAGGAGAGTCGCTTGAACCCGGGAGGCAGAGGTTGTAGCGAGCCGAGATCACACCA 28501
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Db 28800 CCCAAAGAAGGAAGTCGGGCACAAGCTGATTACAATAATATTTTTTAAAATACAGGC 28741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Db 28740 CAGGCACGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGTGGGCGGGTCA 28681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Db 28920 GTTTCTATCAAAAACAAAACAAAACAAGACTGGAACATTTGAAATAACCACACATTC 28861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Db 28980 GTGGGGGGTCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGCAAGACCCT 28921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Db 29040 AAAAAAAATCTGGGCTCAGTGGCTCACATGTGATCCCAGCAATTTGGGAGGCCGAG 28981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Db 29100 GAGCCGACATCGCACTACTGCACTCCAGCCTGGCCACGGAGCCAAACCCTGCCAAAAAA 29041
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Db 29340 CGGATGCAGGCTCATGCCTGTAATCCCAGCACCTTGGAAGGCTGAGATGAGGATCG 29281
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Best Local Similarity 1.9%; Pred. No. 0;
Best Local Similarity 1.9%; Pred. No. 0;
Matches 487; Conservative 0; Mismatches 337; Indels 24729; Gaps
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                              AC005329 34875 bp DNA PRI 28-JUL-1998
Homo sapiens chromosome 19, cosmid R34382, complete sequence.
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